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1631

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
Examining Group 1631
Patent Application
Docket No. G-085US04CON
Serial No. 09/818,260

Frank C. Eisenschenk
Frank C. Eisenschenk, Ph.D., Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1631
Applicants : Nicholas J. Schork, Dani Fallin, Sebastien Lissarrague
Serial No. : 09/818,260
Filed : March 26, 2001
Conf. No. : 9223
For : Methods of DNA Marker-Based Genetic Analysis Using Estimated Haplotype Frequencies and Uses Thereof

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance. Please charge the fee of \$180.00 to Deposit Account No. 19-0065.

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statements.

Respectfully submitted,



Frank C. Eisenschenk, Ph.D.

Patent Attorney

Registration No. 45,332

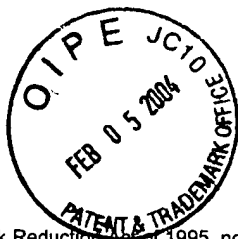
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Address: 2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

FCE/sl

Attachments: Form PTO/SB/08; copies of cited references



PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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				Application Number	09/818,260
				Filing Date	March 26, 2001
				First Named Inventor	Schork
				Art Unit	1631
				Examiner Name	Andrew A. Kenedy
Sheet	1	of	5	Attorney Docket Number	G-085US04CON

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-4,902,505	02/20/1990	Pardridge <i>et al.</i>	All
	U2	US-4,987,084	01/22/1991	Tedder <i>et al.</i>	All
	U3	US-5,229,494	07/20/1993	Evans <i>et al.</i>	All
	U4	US-5,445,942	08/29/1995	Rabin <i>et al.</i>	All
	U5	US-5,599,400	02/04/1997	Mao <i>et al.</i>	All
	U6	US-5,641,670	06/24/1997	Treco <i>et al.</i>	All
	U7	US-5,693,496	12/02/1997	Alves <i>et al.</i>	All
	U8	US-5,714,459	02/03/1998	O'Brien <i>et al.</i>	All
	U9	US-5,762,926	06/09/1998	Gage <i>et al.</i>	All

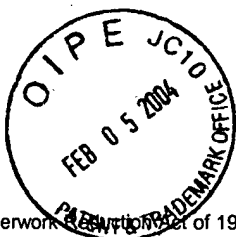
FOREIGN PATENT DOCUMENTS						
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		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)			
	F1	WO 99/02171	A1	01/21/1999	Texas Heart Institute	All
	F2	WO 99/24565	A1	05/20/1999	Gorczynski	All
	F3	WO 99/38963	A1	08/05/1999	Genesense Technologies, Inc.	All
	F4	WO 99/52942	A2	10/21/1999	Genset	All
	F5	WO 00/55632	A1	09/21/2000	Women's and Children's Hospital	All
	F6	WO 01/51618	A2	07/19/2001	Agy Therapeutics, Inc.	All
	F7	WO 01/91026	A2	11/29/2001	Genset	All
	F8	WO 01/92330	A2	12/06/2001	Genset	All

Examiner Signature		Date Considered	
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				Examiner Name	Andrew A. Kenedy
Sheet	2	of	5	Attorney Docket Number	G-085US04CON

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		Number - Kind Code ² (if known)			
	U10	US-5,840,688	11/24/1998	Tso	All
	U11	US-5,932,536	08/03/1999	Wright <i>et al.</i>	All
	U12	US-5,945,522	08/31/1999	Cohen <i>et al.</i>	All
	U13	US-5,948,756	09/07/1999	Barenholz <i>et al.</i>	All
	U14	US-5,952,034	09/14/1999	Buchanan <i>et al.</i>	All
	U15	US-5,989,545	11/23/1999	Foster <i>et al.</i>	All
	U16	US-6,004,554	12/21/1999	Thorpe <i>et al.</i>	All
	U17	US-6,027,935	02/22/2000	Purchio <i>et al.</i>	All
	U18	US-6,074,844	06/13/2000	Hillman <i>et al.</i>	All

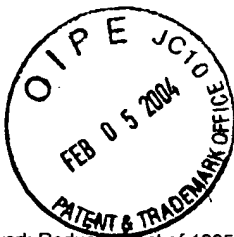
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	U19	US-6,090,631	07/18/2000	Catterall <i>et al.</i>	All
	U20	US-6,099,857	08/08/2000	Gross	All
	U21	US-6,110,747	08/29/2000	Blaschuk <i>et al.</i>	All
	U22	US-6,113,951	09/05/2000	Buchanan <i>et al.</i>	All
	U23	US-6,117,454	09/12/2000	Kreuter <i>et al.</i>	All
	U24	US-6,153,192	11/28/2000	Kopetzki <i>et al.</i>	All
	U25	US-6,169,074	01/02/2001	Montal <i>et al.</i>	All
	U26	US-6,180,602	01/30/2001	Kato <i>et al.</i>	All
	U27	US-6,190,723	02/20/2001	Buchanan <i>et al.</i>	All

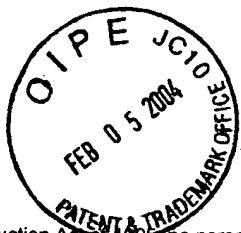
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		Number - Kind Code ² (if known)			
	U28	US-6,191,154	02/20/2001	Landreth <i>et al.</i>	All
	U29	US-6,197,940	03/06/2001	Klinefelter	All
	U30	US-6,265,546	07/24/2001	Cohen <i>et al.</i>	All
	U31	US-6,268,487	07/31/2001	Kutzko <i>et al.</i>	All
	U32	US-6,346,381	02/12/2002	Cohen <i>et al.</i>	All
	U33	US 2003/0195707 A1	10/19/2003	Schork <i>et al.</i>	All
	U34				
	U35				
	U36				

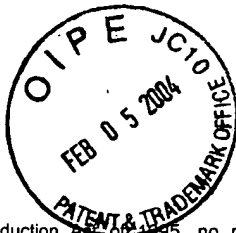
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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/818,260
Filing Date	March 26, 2001
First Named Inventor	Schork
Group Art Unit	1631
Examiner Name	Andrew A. Kenedy
Attorney Docket Number	G-085US04CON

Sheet 5 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	EXCOFFIER, L., <i>et al.</i> , "Maximum-likelihood estimation of molecular haplotype frequencies in a diploid population", <i>Mol. Biol. Evol.</i> (1995), 12:921-927; XP000891487; The University of Chicago Press	
	R2	FALLIN, D., <i>et al.</i> , "Accuracy of haplotype frequency estimation for biallelic loci, via the expectation-maximization algorithm for the unphased diploid genotype data", <i>Am. J. Hum. Gen.</i> (2000), 67(4):947-959; XP002953525; American Society of Human Genetics, Chicago, IL	
	R3	FALLIN, D., <i>et al.</i> , "Genetic Analysis of Case/Control Data Using Estimated Haplotype Frequencies Application to APOE Locus Variation And Alzheimer's Disease", <i>Gen. Res.</i> (2000), 11:143-151	
	R4	HAWLEY, M. <i>et al.</i> , "Haplo: A program using the EM Algorithm to estimate the frequencies of multi-site haplotypes", <i>J. Heredity</i> (1995), 86(5): 409-411; XP000891489; Oxford University Press	
	R5	LONG, A.D., <i>et al.</i> , "The power of association studies to detect the contribution of candidate genetic loci to variation in complex traits", <i>Genome Res.</i> 'Online!' (1999), 9(8): 720-731; XP002222375	
	R6	LONG, J.C., <i>et al.</i> , "An E-M Algorithm and Testing Strategy for Multiple-Locus Haplotypes", <i>Am. J. Hum. Gen.</i> (1995); 56:799-810; XP002944464; The University of Chicago Press	
	R7	LYMAN, R.F., <i>et al.</i> , "Linkage Disequilibrium Mapping of Molecular Polymorphisms at the Scabrous Locus Associated With Naturally Occurring Variation in Bristle Number <i>Drosophila melanogaster</i> ", <i>Genet. Res. Camb.</i> (1999), 74:303-311; Cambridge University Press	
	R8	NIELSEN, D.M., <i>et al.</i> , "Detecting marker-disease association by testing for Hardy-Weinberg disequilibrium at a marker locus", <i>Am. J. Hum. Gen.</i> (1999), 63:1531-1540; XP002953526; The University of Chicago Press	
	R9	ZHAO, J.H., <i>et al.</i> , "Model-Free Analysis and Permutation Tests for Allelic Associations", <i>Hum. Hered.</i> (2000), 50:133-139; S. Karger A.G., Basel, Switzerland	
	R10		
	R11		

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